IN THE CLAIMS

Please amend the claims as indicated below:

1. (Currently Amended): A local multipoint distribution service system comprising an antenna for transmitting a signal of reused frequency within a specified range from the antenna, the antenna having multiple radiating antenna elements provided with the signal, the signal provided to each of the antenna elements being adjusted in phase and in amplitude across the radiating elements to mitigate radiation above horizon, ~~and~~ the signal provided to each of the antenna elements being adjusted in phase and in amplitude to decrease attenuation in radiated power with distance from the antenna, and the signal provided to each of the antenna elements being adjusted in phase and amplitude across the radiating elements to mitigate nulls between lobes of combined radiated signals collectively from the antenna elements.

2. (Cancelled).

3. (Previously Presented): A local multipoint distribution service system as recited in claim 1 further comprising the signal being adjusted in phase and in amplitude across the antenna elements to reduce ex

4. (Currently Amended): A method of designing an antenna array for a local multipoint distribution service system for transmitting a signal of reused frequency within

a specified range from the antenna, the antenna having multiple radiating antenna elements, the method comprising the steps of:

adjusting the signal provided to each of the antenna elements in phase and in amplitude across the radiating elements to mitigate radiation above horizon; and

adjusting the signal provided to each of the antenna elements in phase and in amplitude to decrease attenuation in radiated power with distance from the antenna; and

adjusting the signal provided to each of the antenna elements in phase and in amplitude to mitigate nulls between lobes of combined radiated signals collectively from the antenna elements.

5. (Cancelled).

6. (Previously Presented): A method as recited in claim 4 further comprising the step of:

adjusting the signal provided to each of the antenna elements in phase and in amplitude across the antenna elements to reduce excess signal power at near range.